

10/532625

JC12 PCT/PTO 25 APR 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Johannes SCHALLER et al
Based on : PCT/DE 03/03562
Filed : April 25, 2005
Title : DEVICE FOR TREATMENT OF EXHAUST OF AN
INTERNAL COMBUSTION ENGINE

Docket No. : R.304062
Customer No. : 02119

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed within three months of the filing date and before the mailing of a first Office action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

Appl. No. Unknown
IDS filed April 25, 2005
Prior to first Office Action

US 6,442,932 B1

This patent teaches a method and device to ensure the maximum possible conversion of nitrogen oxides in a DeNOx catalytic converter in an off-gas cleaning installation for reducing nitrogen oxides. The system also prevents the reducing agent used for the reduction from escaping into the environment. There is a provision for the density of a reducing agent solution to be used to determine the volume of the reducing agent solution which is to be metered. The density is regulated in two ways; the temperature of the reducing agent solution is measured using a temperature sensor and the temperature is also set by a temperature-control device.

DE 199 35 920 A1

This patent teaches an arrangement for a heating element (20) in a reduction agent reservoir container (10), which is connected to the cooling system of an engine via feed (19) and return (21) lines. The feed and return lines are arranged with respect to each other over at least part of their runs so as to form a heat exchanger. They are arranged parallel to each other in close thermal contact with opposite flow directions.

DE 44 32 577 A1

This patent teaches an assembly (2) for the introduction of a liquid (4) into a flowing medium (5) from a supply vessel (6) and feed pipe (12) outlet (22) incorporating a back-flow prevention valve (20) supplied by a gas under pressure (29). The liquid supply pipe (12) may be linked to other assemblies such as a filter (16) and a three-way pump (18) for back-flushing.

Appl. No. Unknown
IDS filed April 25, 2005
Prior to first Office Action

WO 00/30733 A1

This patent teaches a liquid urea exhaust gas treatment additive. Methods for the treatment of combustion effluent containing nitrogen oxides are provided. According to these methods, the combustion effluent is treated with a liquid treatment additive composition comprising urea, water and an oxygenated organic compound, in the presence of a catalyst. The treatment additive compositions of the present invention have lower freezing points than water/urea solutions, which allows use and storage of the treatment additive at temperatures below 10 degrees Fahrenheit (-12 degrees Celsius), if necessary.

WO 02/057603 A1

This patent teaches a device for metering urea solutions, which allows in particular the level of nitrogen oxide in the exhaust gas stream of an internal combustion engine to be reduced in a reliable manner. According to the invention, in order to meter the urea solution, the device comprises a sensor unit (1) for controlling one or several physical condition variables of a urea solution that is devoid of enzymes.

Examination of this application is respectfully requested.

Respectfully submitted,

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Substitute for form 1449A/PTO

Complete if Known 10/532625

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

of

Application Number

Filing Date

First Named Inventor

Johannes Schaller et al.

Art Unit

Examiner Name

Attorney Docket Number

R.304062

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		US- 6,442,932	BI	09-03-2002	Lothar Hofmann et al.	
		US- 5,884,475	A	03-23-1999	Lothar Hofmann et al.	
		US- 2005/0011183	A1	01-20-2005	Wolfgang Ripper et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind ⁵ (if known)				
		DE	199 35 920	A1	03-15-2001	Manfred Weigl		
		DE	44 32 577	A1	03-14-1996	Lothar Hofmann et al.		✓
		WO	00/30733	A1	06-02-2000	Richard W. Grosser		✓
		WO	02/057603	A1	07-25-2002	Wolfgang Ripper et al.		✓

Examiner
Signature

Date

Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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